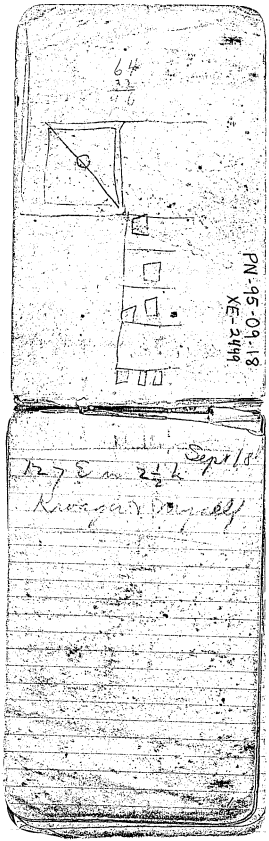
**Notebook, PN-95-09-18**

This pocket notebook was used by Clarence B. Fargo at the American Graphophone Company's plant in Bridgeport, Connecticut, during September-November 1895 for notes on phonograph wax cylinder experiments. The National Phonograph Co. used this book (as well as PN-91-09-29, Miscellaneous Notebooks) as exhibits in patent litigation initiated by the Graphophone Co., and the books subsequently were retained at Edison's laboratory. The front cover is stamped "Memoranda." The back cover is inscribed "U.S. Cir Ct Dist of N.J. American Graphophone vs National Phonograph Co No 18 In Equity Defendants Exhibit Fargo Original Note Book No H.D.D. Exm." The book contains 103 numbered pages.

Blank pages not filmed: 10-11, 18-39, 42-47, 50-59, 64-65, 70-73, 76-85, 94-97, 100-101.


64
PN-95-09-18
XE-2499
Sept 18
Kwajalein Island

Nov 1st 95

Experiment:

#1 Plain Soap No Softener

#2 100 lb New P.S. + 100 lb Shavings
2 Etc For Chicago I M Co
Special Order

#3 100 lb New P.S. + 50 lb Shavings
2 Etc For Chicago I M Co
Special Order

#4 10 lb New P.S. + 8 oz Perf

#5 10 lb New P.S + 6 1/2 oz Perf

Experiment Continued

#6 10 lb New PS + 4 oz of Cal. Carb. 3%

#7 10 lb New PS + 3 oz Pa S
Cod oil
Powell's Mixture
in morn

#8 10 lb New PS + 16 oz Mag
Added to him all mixed
A small agric. cut up
into small pieces

Monitor
Jan 9th 1 Ton Nut Coal
" 9th 1/2 bbl Salt of Alum

5

Oct 21st made batch
of 356 lb. add 450 lb.
Shavings Total about 80 lb
Call 800 lb Tuesday
at 10.30 AM Start to moulds
Tues Oct 22 Moulded 1005 @
Wed. 23 495 @
Thurs 1700

Tuesday Oct 22nd 1005 @ Moulded

857 Cylinders for shipment
from this 1005 Cracked Cyl
Carried 155 lb to Tuesday stock
371 lb Shavings Tuesday stock

551 Cracked Cyl | 1408 # Cyl = 24 lb
50 # Shavings
= 752 1/2 lb

137 1/2 lb Shavings Tues | 800 lb Shavings
Wed Oct 23

---

Wed
Handles Upper (Long) object
for Ladling out 1 Big Pot
into Filth about 3/8 inch down
from top weighs 9 lb
Of New Mixt use 4 Uppers
Hull and of Old 5 uppers
Hull and 80 times 9 lb =
360 lb New Mixt
50 times 9 lb = 450 lb Old

806 lb Stock 450 + 356 = 1982
Unpurished Cyl with overflows
806 lb Stock 1450 + 356 = 4477
Cyl Finished No Overflows

W C. Mxt Reg Mxt
with depth of W O
cyl marked X) Marked
Nov 8th 1 Ounce before
handling sold 7 Cedars
(Nugget) put on well
water some leaches
but Pleasant beside
some others

One Minted X1
made same as regular
with exception of the
10 dr W Cl
6 2/3 dr B Cl.

8 days work Moulding
8 cyl Stopping to heat
up then pulling out the
ghs and allowing to
drop down to 300 deg F from
388 deg F also allowing for
filtering and etc as
1740 cyl and 1800 could
be done by using a little
more speed Above is
an easy comfortable day
work
2000 cyl as a days
work when we dont
have to stop to heat
up

Oct 26th 95
61½ lb Paraffine Co 7½ ct
$5.75

Oct 31st 237 lb White
Cyanide @ 14ct $33.18

Oct 11th Dunn 650 lb Cyanide Soda
@ .02723 ct $17.10

Nov 1st 88 lb Not Al Cy
@ 54¢ per lb $47.52
Small Hole Repaired to cost me
stopping 12 lb lost in
transit

Schneider Blood 11 ct per lb
Later 10½ ct Fire Ironstone Lot
791 lb much lost May 27th 96
42 Barrels

13

Sun 25
1488 lbs Iron @ .02 37½/60 lb
$44.76

Edw Hills Son
25 Cedar St
New York

75 P Rye weigh 13 3/4 lb
50 P " (Sun Lane) 9 1/8 " Net

Peter Carlson
Invoiced Saturday
April 11th 96. 19 Johnston
1.843 P. Glenders

15

Walcutt & Leeds
53 East 11th St
New York

Empire State Piano Co
Buffalo
New York

500 lb Shavings Fill #2
Steam Pot to 12 7/16 in from
top of inside shell to top
of liquid wax

600 lb Shavings melted
= 9 1/2 inches from top of
inside shell directly in
front of pot

3 7/16 in = 100 lb in weight

800 lb 2 3/4 in from top of
inside shell to top of
liquid

Smith & Nicoll
143 Front St
N Y
1/2 ℔ of pasol in 1/2 day
8¾ cts per ℔

Table of Heat by Steam

| Steam Pressure | Deg Fahrenheit |
|---|---|
| 90 lb | 331-3 |
| 95 | 334-6 |
| 100 | 338-0 |
| 110 | 344-2 |
| 120 | 350-1 |
| 130 | 355-6 |
| 140 | 361-0 |

Elec. Mast
150 ll Schmucker Steels
20 ll Mill Pyo
15 ll Mat Pyo 122 ~~lb~~ Sal soda
~~about 10 lb~~ ~~[illegible]~~
of Caustic Soda ~~[illegible]~~ and anyhow
~~[illegible]~~ some powder of ~~[illegible]~~
don't know what it is
~~[illegible]~~ Some Powder
of a Slate Color ~~black~~
There was about 200 ~~[illegible]~~ about
that of the powder

1891. Welsh Work for
1892
1893 laid off spring
Native Pasture above New
Years on 93-4

100 lb Stearic Acid
Melted in one Pot

15 lb Water in Steam Kettle
add about 22 lb Salsoda
also + enough Caustic Soda
to make up 23 lb (about 1 qt 1 pt
Powdered Greenbanks 98%)
then when boiling add from
Kind of a powder which was
a Slate Color and put up
in oiled Paper so all fused
the paper was oiled from
the powder not oiled
paper that there was
too much used after
this had boiled a short time
add very slowly to Stearic
take a little in dipper and tell
dipping gently till starch
all work out for Gummy Ass

after all is added
also to melter White Crystal
or (Cucumber)

For Edison Cyl Exp

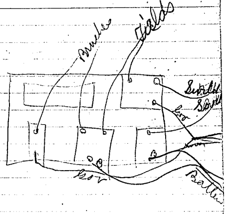
30th Fairbanks 75 lbs Candle Grade @

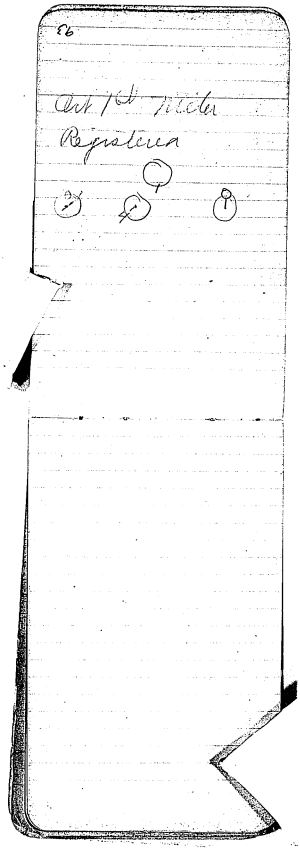
37th C M White Ag o @ 13¢
37th M " " @ 12¢
38th S S " " @ 14¢
38th Yellow Ag o @ 11¢
American Wax & Paper Co.

15 kr Cayek

68

| | | |
|---|---|---|
| Bicarb | Sodii | 1 dr |
| Borax | Sodii | 1 dr |
| Carbolic | Acid | 15 to 1 gph |
| ~~[illegible]~~ | ~~[illegible]~~ | |


Brushes
Fields
Battery


Art 1st Notice
Registered

66

Monday April 13

| | M | T | W | T | F | S | Abs |
|---|---|---|---|---|---|---|---|
| Week ending 1898 | 13 | | | | | | |
| " " Apr. 25 | 13 | 13 | 13 | 13 | 13 | 9 | |
| " " May 2 | 13 | 13 | 13 | 10 | 10 | 9 | |
| " " 9 | 10 | 10 | 10 | 10 | | | |
| " " 16 | | | | | | | |
| " " 23 | | | | | | | |
| " " 30 | | | | | | | |
| " " June 6 | | | | | | | |
| " " 13 | | | | | | | |
| " " 20 | | | | | | | |
| " " 27 | | | | | | | |
| " " 3 | | | | | | | |
| " " 10 | | | | | | | |
| " " 17 | | | | | | | |
| " " 24 | | | | | | | |

Moved Oct 24th afternoon
with New Filler in Pot 297 New
Oct 23 rd 375 Old
672 Total

255 Stock

~~Sp~~ 37½ boiling Filler
while before I started adding
then cook to boiling cook
short time and then cool
down just before pouring
heating nearly to boiling
and add to stock with
filler as per 260 & 65 dry
Gravenstein

Very little graining and
done quickly at 1 lb.
1/2
Crystals 34½ lb up to
36½ cool for night
Mix with 37 5 lb Starting
Crystals (Graphites)

104 — 16 28

105 — 16 84

118½ — 16 105½

110 — 134 76½

370¾

21/52.80

251.

3/52.80

1760

2½/52.80

5/1056.0

2112

30 Rd